

DRAFT Data Assessment Team (DAT) Conference Call Notes
11/19/2015 at 11:00 a.m.

Participants: Barb Byrne (NMFS), Trishelle Morris (DFW), Rhiannon Mulligan (DWR) Erin Gleason (FWS) RG Fernando, Owen Lu (MWD), Lucinda Shih (CCWD)

Sacramento River Fish Monitoring update provided by Rhiannon Mulligan (DWR):

Preliminary Rotary Screw Trap (RST) Report				
Species*	FWS Red Bluff Diversion Dam RST (Estimated Passage)	Glenn-Colusa Irrigation District (GCID) RST (Catch)	DFW Tisdale Weir RST (Catch)	DFW Knights Landing RST (Catch)
Date	11/05/2015- 11/18/2015	11/13/15-11/17/15	11/11/2015- 11/19/2015	11/12/2015- 11/18/2015
CHNF	1,315	7	0	0
CHNLF	8,934	18	0	0
CHNW	16,455	9	0	0
CHNS	548	0	0	0
Ad-Clipped CHN	Not Reported	0	0	0
SH	57	0	0	0
Ad-Clipped SH	Not Reported	0	0	0
GST	Not Reported	0	Not Reported	Not Reported
*Chinook race based on length (Frank Fisher model); CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS= Spring run, SH = Steelhead, GST= Green Sturgeon. Species are unmarked unless noted as adipose-fin clipped (ad-clipped). Data subject to revision.				

Tisdale: Since sampling began on 9/9/2015 there have been eight unmarked winter-run Chinook salmon based on the length-at-date criteria developed by Fisher and modified by Green (1992). No other races have been observed since sampling began.

Knights Landing- total estimated unmarked winter-run Chinook salmon is 2 since sampling began on 9/16/2015. No other races have been observed since sampling began.

Graphical summaries of the monitoring data collected at the Sacramento River and at other locations can be found at <http://www.water.ca.gov/swp/operationscontrol/calfed/calfedmonitoring.cfm>. In addition, the biweekly passage reports of juvenile salmonids sampled at the Red Bluff Diversion Dam are available at http://www.fws.gov/redbluff/rbdd_biweekly.aspx.

Delta Fish Monitoring update Provided by Jon Speegle (DWR):

Preliminary FWS Trawl and Seine Catch Report from 11/08/15 to 11/14/15				
Species*	Beach Seines**	Mossdale Trawl**	Sacramento Trawl **	Chippis Island Trawl **
CHNF				
CHNLF				
CHNW				
CHNS				
Ad-Clipped CHN				
SH				
Ad-Clipped SH				
DSM				
LFS				
SPLT				

*Chinook race based on length (Frank Fisher model); CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS= Spring run, SH = Steelhead, DSM=Delta Smelt, LFS=Longfin Smelt, SPLT = Splittail. Species are unmarked unless noted as adipose-fin clipped (ad-clipped). Data subject to revision.

**No species of management concern for this sampling period

Information about the Delta fish monitoring data from FWS can be found at <http://www.fws.gov/stockton/jfmp/>.

Salvage Monitoring update update provided by Geir Aasen (DFW):

Preliminary DFW Salvage Report for Salmonids from 11/08/15 to 11/14/15*								
Species	Central Valley Project (CVP)				State Water Project (SWP)			
	Adipose-Fin Clipped (Ad-Clipped)		Non-Adipose Fin Clipped (Non-Clipped)		Adipose-Fin Clipped (Ad-Clipped)		Non-Adipose Fin Clipped (Non-Clipped)	
	Salvage	Loss	Salvage	Loss	Salvage	Loss	Salvage	Loss
CHNF								
Total to Date								
CHNLF								
Total to Date								
CHNW								
Total to Date								
CHNS								
Total to Date								
CHNU								
Total to Date								
SH								
Total to Date								

Notes:
 -Chinook race based on length (Delta model); CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS=Spring run, CHNU= Unknown race (Chinook greater than the length-at-date criteria or fork length not measured), SH =Steelhead.
 -Salvage and loss estimates are rounded to the nearest whole fish.
 -Documentation on how to calculate salvage and Chinook loss can be found at <ftp://ftp.delta.dfg.ca.gov/salvage/Salmon%20Loss%20Estimation/>.
 -Steelhead loss: SWP steelhead loss = salvage x 4.33 and CVP steelhead loss = salvage x 0.68.
 -Total to date is the total since 10/1/13 (the start of water year 2014).
 -Data subject to revision.

* No Salvage of listed species have been observed at either fish facility.

Preliminary DFW Salvage Report for Smelt and Other Species from 11/08/15 to 11/14/15*				
Species	CVP		SWP	
	Salvage	Total to Date	Salvage	Total to Date
DSM				
LFS				
SPLT				
GST				
WST				
Notes: -DSM=Delta Smelt, LFS=Longfin Smelt, SPLT=Splittail, GST=Green Sturgeon, WST=White Sturgeon. -Salvage estimates are rounded to the nearest whole fish. -Total to date is the total since 10/1/13 (the start of water year 2014). -Data subject to revision.				

* No Salvage of Smelt and Other species have been observed at either fish facility.

Smelt Monitoring Update provided by Trishelle Morris (DFW):

The Fall Midwater Trawl November survey finishes today.

Smelt Working Group Update provided by Leigh Bartoo via the DAT reflector (FWS)

The SWG had an administrative meeting this past Monday. The first meeting to discuss risk of entrainment will be November 30.

The Smelt Working Group notes and FWS determinations are posted at
http://www.fws.gov/sfbaydelta/cvp-swp/smelt_working_group.cfm.

Delta Operations for Salmonids and Sturgeon (DOSS) Working Group Update provided by Barb Byrne (NMFS)

DOSS:

DOSS met on Tuesday, 11/17/15, and provided no advice.

Fish highlights:

- No WR-sized Chinook (or any other listed fish species) caught over the past week in Tisdale or Knights Landing rotary screw traps, the Sac trawls, or the beach seines.
- Are still seeing some WR-sized fish in the rotary screw trap sampling at GCID.
- DOSS estimates that <5% of the WR population are in the Delta; >95% still upstream.

Delta RPA Actions that may affect operations during November:

Action IV.1.1 (Alerts that indicate the Delta Cross Channel (DCC) gate operations may be triggered soon)¹:

- A DCC alert (first component of the first alert in Action IV.1.1, i.e. Mill Creek or Deer Creek flows over 95cfs) was tripped again (last tripped on 11/9) on 11/15 and 11/16 by flows on Mill Creek on 11/15, and on both creeks on 11/16. This just says "pay attention – fish might be moving" – no DCC action response required based on alert(s) alone.
- The first component of the second alert was met based on Knights Landing temperatures less than 56.3°F on 11/10-11/16, but the second component (Wilkins Slough flows >7,500 cfs) was not met; the second alert is not triggered unless both components are met.

Action IV.1.2² (DCC gate operations):

- Since 10/1/15, none of the criteria requiring DCC gate closure have been met.

Action IV.3³ (Reduce likelihood of entrainment or salvage at the export facilities, including alert that indicates that export operations may be need be altered)

- Third alert has not been triggered.
- No salvage-based triggers that would require export reduction have been exceeded over the past week.

Full DOSS notes posted at:

http://www.westcoast.fisheries.noaa.gov/central_valley/water_operations/ocapwy2016.html

¹For details, see pages 60-61 in Enclosure 2 of the 2011 Amendments to the 2009 RPA document at: http://www.westcoast.fisheries.noaa.gov/publications/Central_Valley/Water%20Operations/Operations,%20Criteria%20and%20Plan/040711_ocap_opinion_2011_amendments.pdf. Note that in October 2014, NMFS approved a modification of the first component of the first alert to a 95 cfs mean daily flow threshold in either Mill Creek or Deer Creek in lieu of operating the Mill and Deer Creek rotary screw traps.

² For details, see pages 62-66 in Enclosure 2 of the 2011 Amendments to the 2009 RPA document; available at the URL listed in footnote 1.

³ For details, see pages 79-80 in Enclosure 2 of the 2011 Amendments to the 2009 RPA document; available at the URL listed in footnote 1.

Operations update provided by Loi Train (DWR)

Preliminary Summary for 11/19/2015			
SWP		CVP	
Clifton Court Inflow (cfs)	500	Jones Pumping Plant (cfs)	2,000**
SWP San Luis Reservoir Share (TAF) as of Midnight	301	CVP San Luis Reservoir Share (TAF) as of Midnight	101
San Luis Reservoir Total (TAF) as of Midnight	402	American – Nimbus Reservoir Releases (cfs)	500
Feather – Oroville Reservoir Releases (cfs)	1,200	Sacramento – Keswick Reservoir Releases (cfs)	4,250
DELTA OPERATIONS			
Outflow (cfs)	~3,800	Delta Cross Channel (DCC) Gates	Closed*
Total Delta Inflow (cfs)	~7,160		
X2 (km)	>81		
Export/Inflow (%)	37.4% (3-day avg)		

*DCC gates will open tomorrow

**Will be at 800 cfs on 11/22 for salinity control.

A summary of daily operations can also be viewed at
<http://www.water.ca.gov/swp/operationscontrol/docs/delta/deltaops.pdf>.

Next Conference Call: No DAT call on Thursday 11/26/2015 due to the Thanksgiving holiday, please send in any updates you may have. Next DAT call is Thursday 12/03/2015.